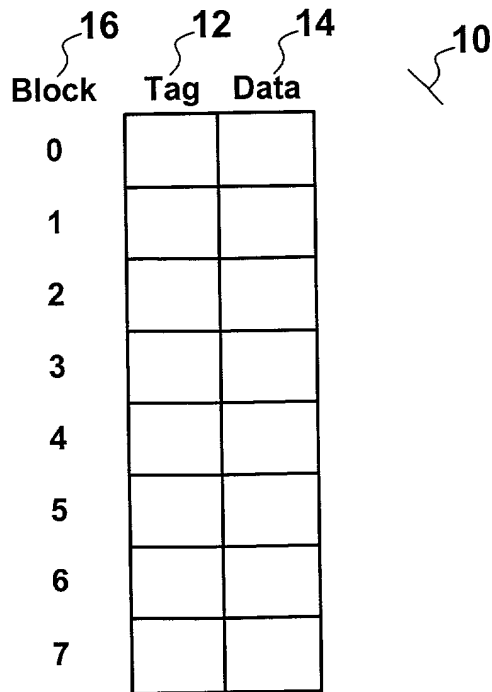
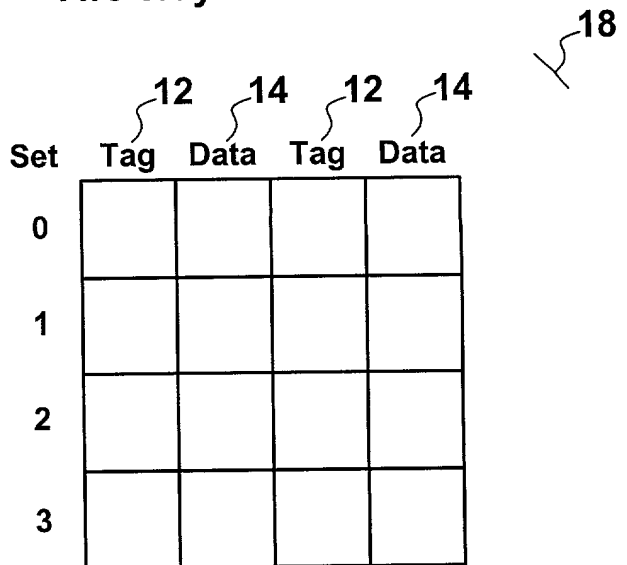


**One-Way Set Associative  
(direct mapped)**



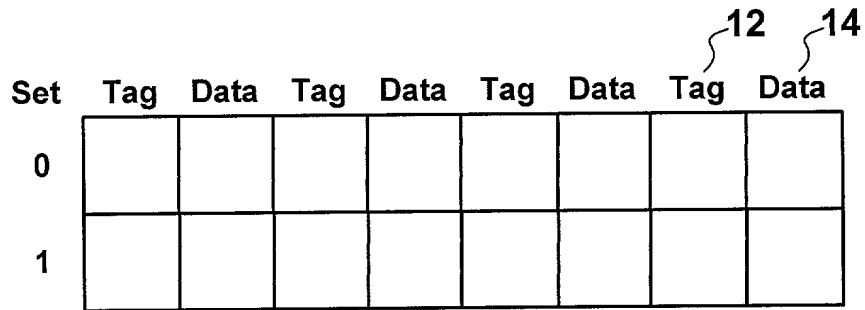
**Fig. 1A  
(Prior Art)**

**Two-Way Set Associative**



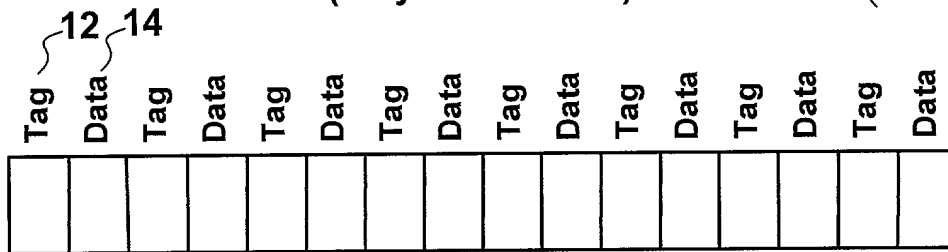
**Fig. 1B  
(Prior Art)**

Four-Way Set Associative

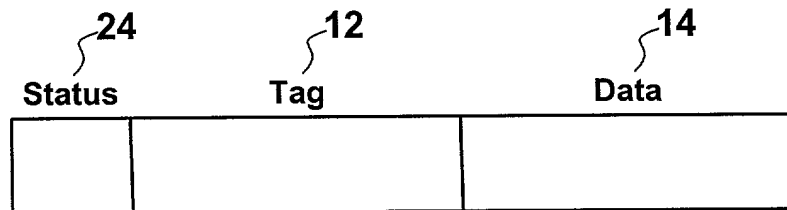


**Fig. 1C**  
(Prior Art)

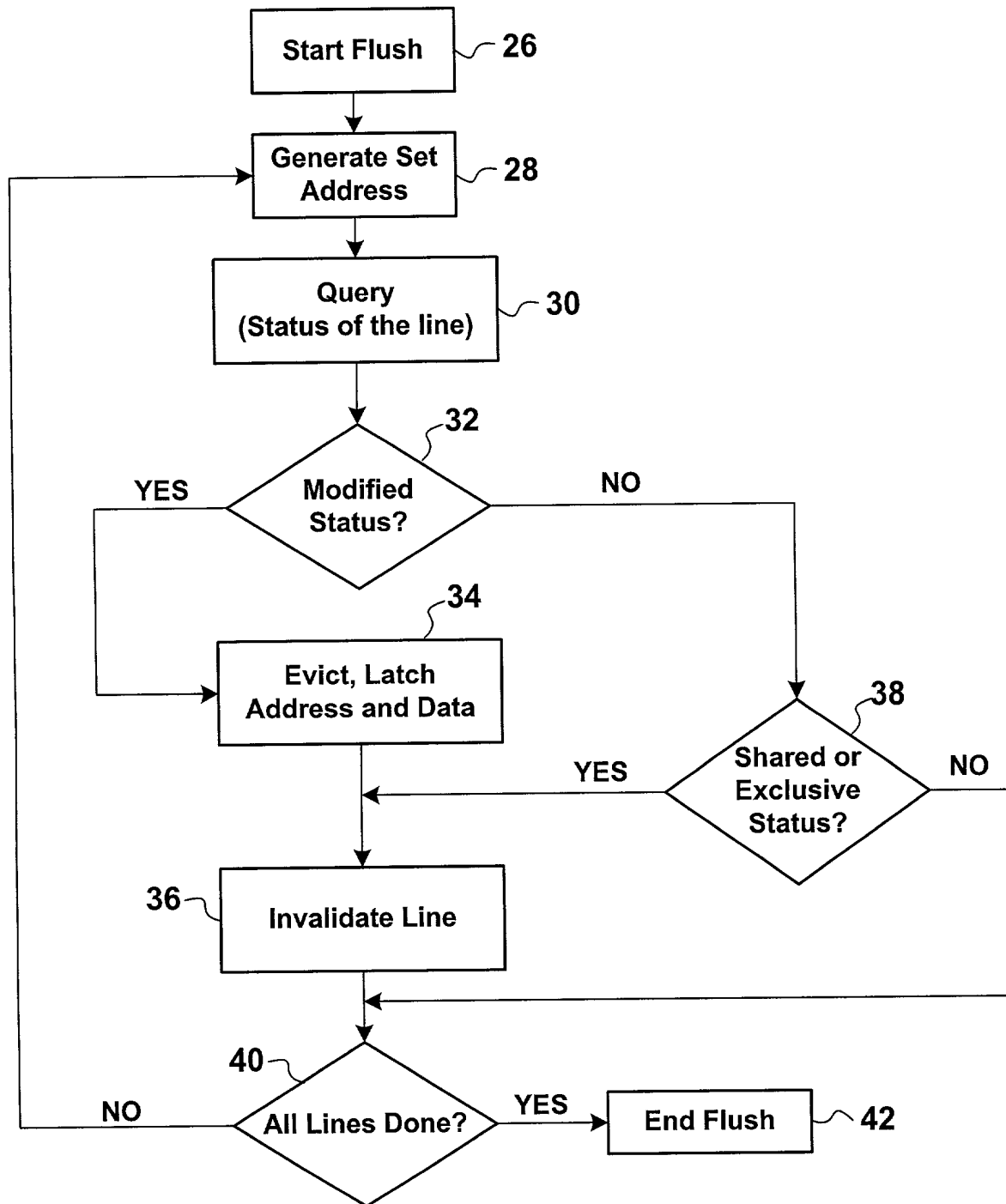
Eight-Way Set Associative  
(fully associative)



**Fig. 1D**  
(Prior Art)



**Fig. 1E**  
(Prior Art)



**Fig. 2**  
**(Prior Art)**

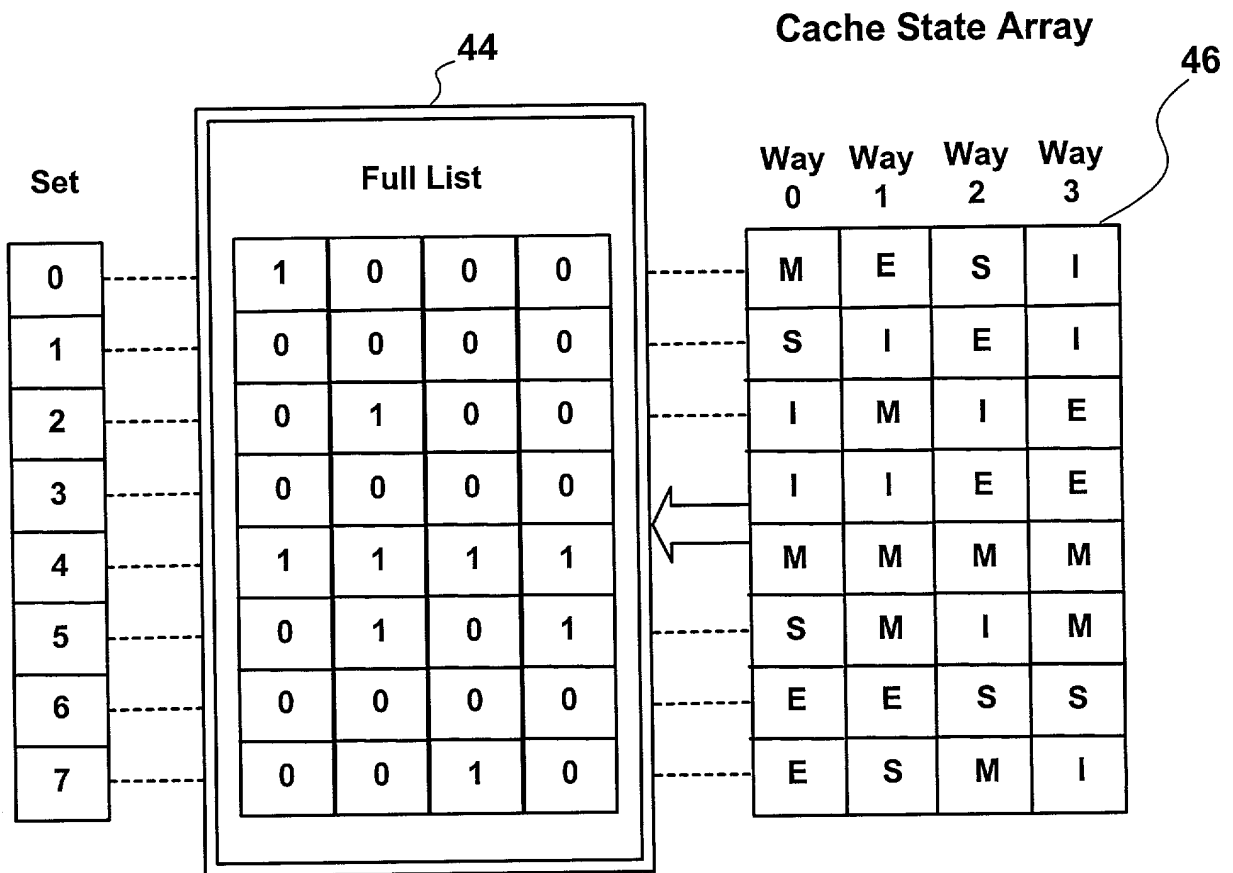
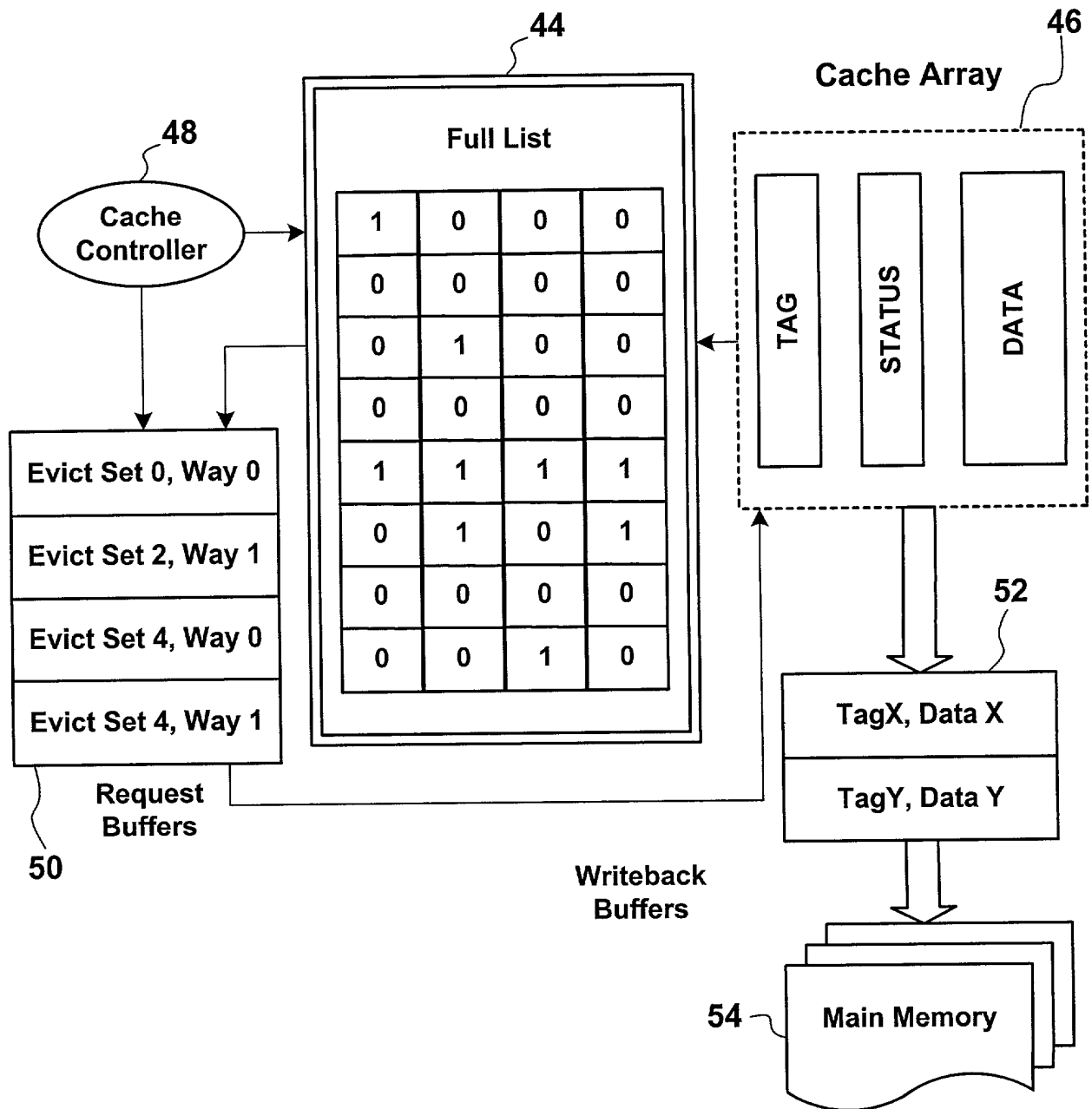


Fig. 3

**Fig. 4**

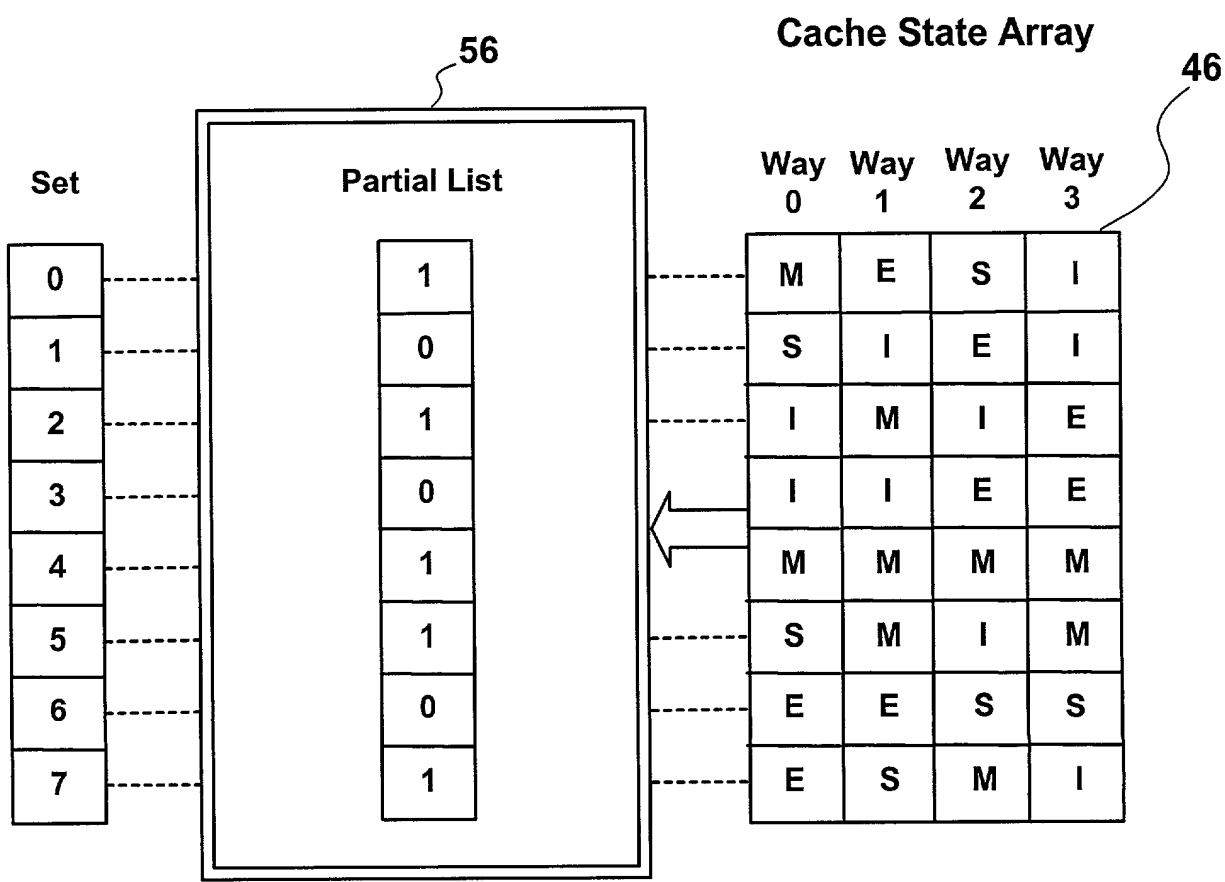
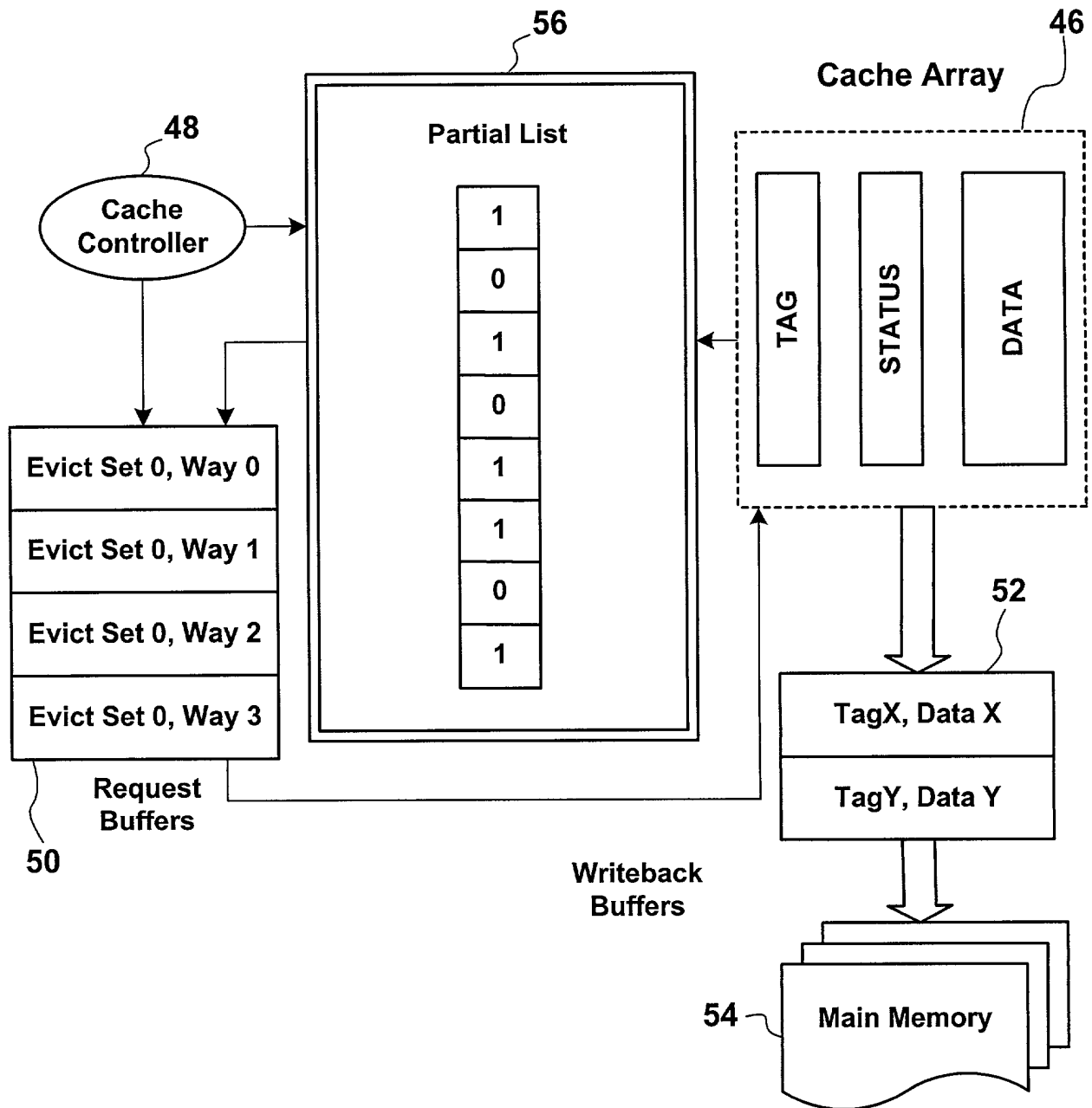
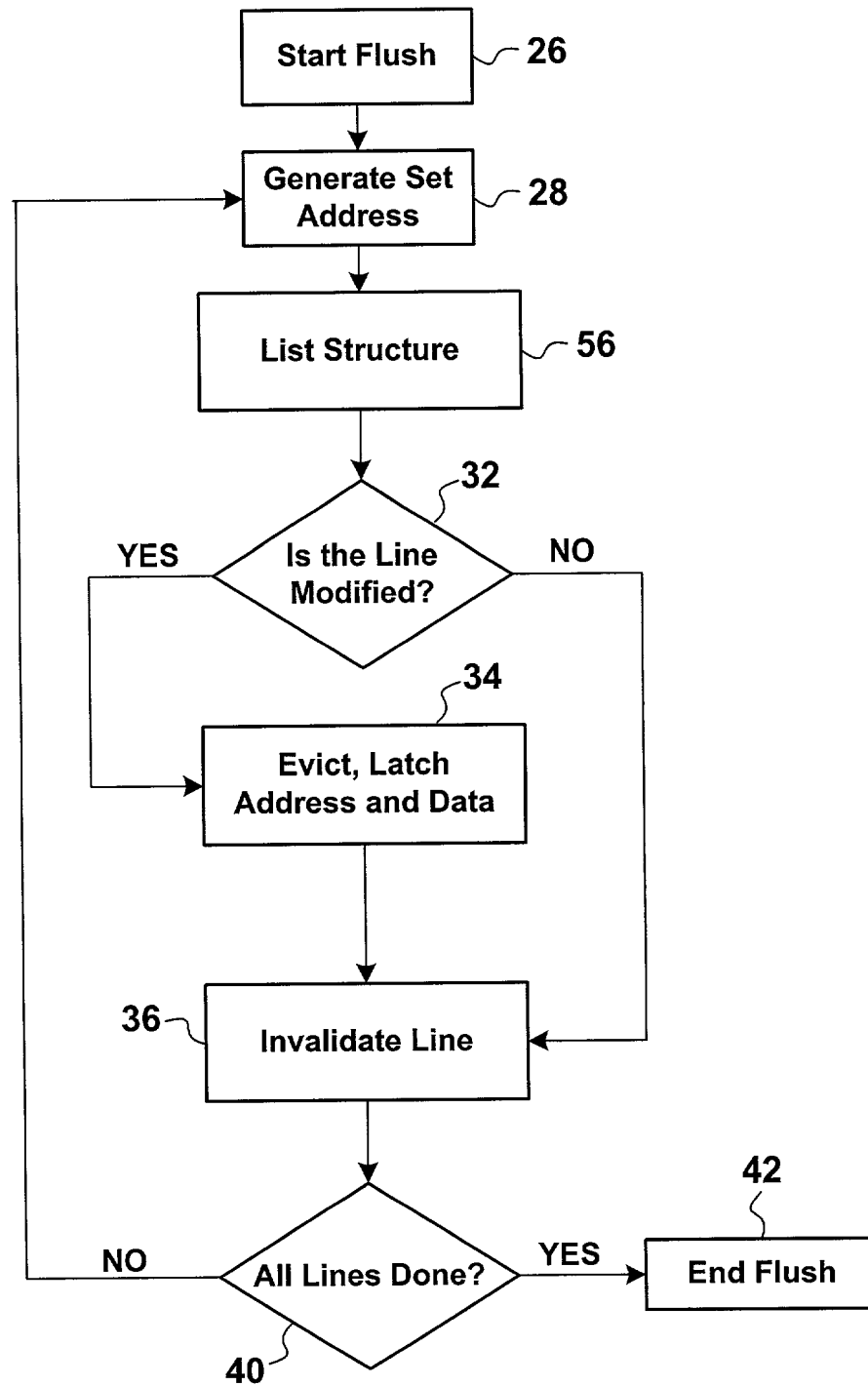
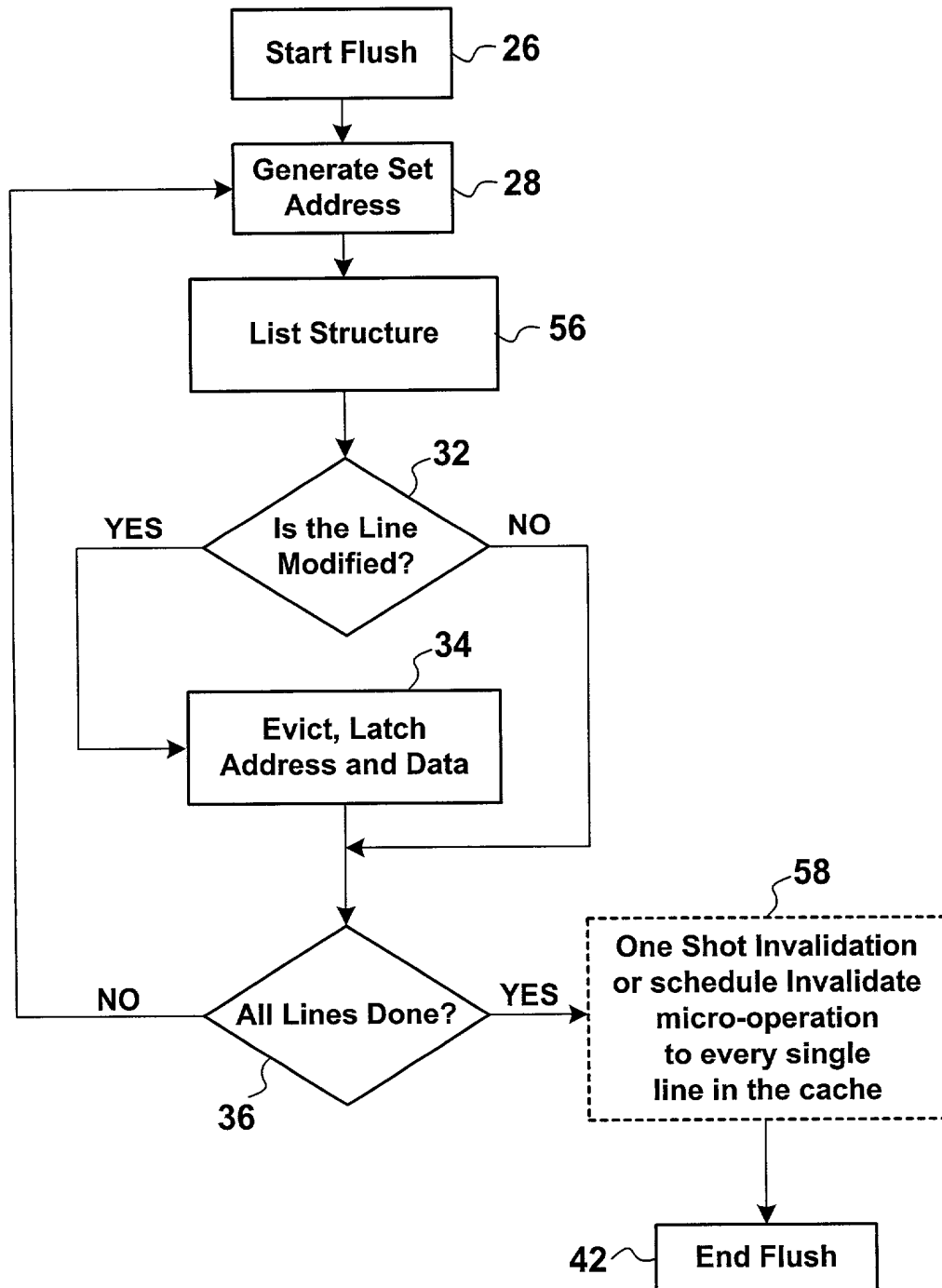


Fig. 5

**Fig. 6**

**Fig. 7A**



**Fig. 7B**